PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES ADDING EAST- AND WESTBOUND PRESENCE DETECTION ALONG MD 108 TO THE TRAFFIC CONTROL SIGNAL AT MD 108 AND SNOWDEN RIVER PARKWAY IN HOWARD COUNTY. DUE TO THE GREATER VOLUME OF TRAFFIC TRAVELING ALONG SNOWDEN RIVER PARKWAY, THE MAINLINE OPERATION WILL BE CHANGED FROM MD 108 TO SNOWDEN RIVER PARKWAY. SNOWDEN RIVER PARKWAY IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA EIGHT-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT-TURN PHASING FOR NORTH- AND SOUTHBOUND TRAFFIC. EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE EAST- AND WESTBOUND MOVEMENTS.

CONTROLLER REQUIREMENTS

THE EXISTING CONTROLLER, SETBACK LOOPS ALONG SNOWDEN RIVER PARKWAY, AMPLIFERS, AND ASSOCIATED HARNESSES WILL REMAIN. VIDEO DETECTION WILL REPLACE ALL PRESENCE LOOP DETECTORS. THE SHA SIGNAL SHOP WILL INSTALL THE VIDEO INTERFACE EQUIPMENT IN THE EXISTING CONTROLLER.

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

Mr. John Concannon Assistant District Engineer - Traffic Phone: 301-624-8140

Mr. James Buckalew District Utility Engineer Phone: 301-624-8115

Mr. Dave Coyne Assistant District Engineer - Maintenance Phone: 301-624-8105

Mr. Edward Rodenhizer Chief, SHA Traffic Signal Shop Phone: 4i0-787-7650 Mr. Richard L. Daff Sr. Chief, Traffic Operations Division Phone: 410-787-7630

The Power Company Representative is: Mr. Nick Beser Baltimore Gas & Electric Company 7317 Parkway Drive South Hanover, MD 21076 Phone: 410-859-9062

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
9086	I EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: I-4 CAMERAS

EQUIPMENT LIST 'B'

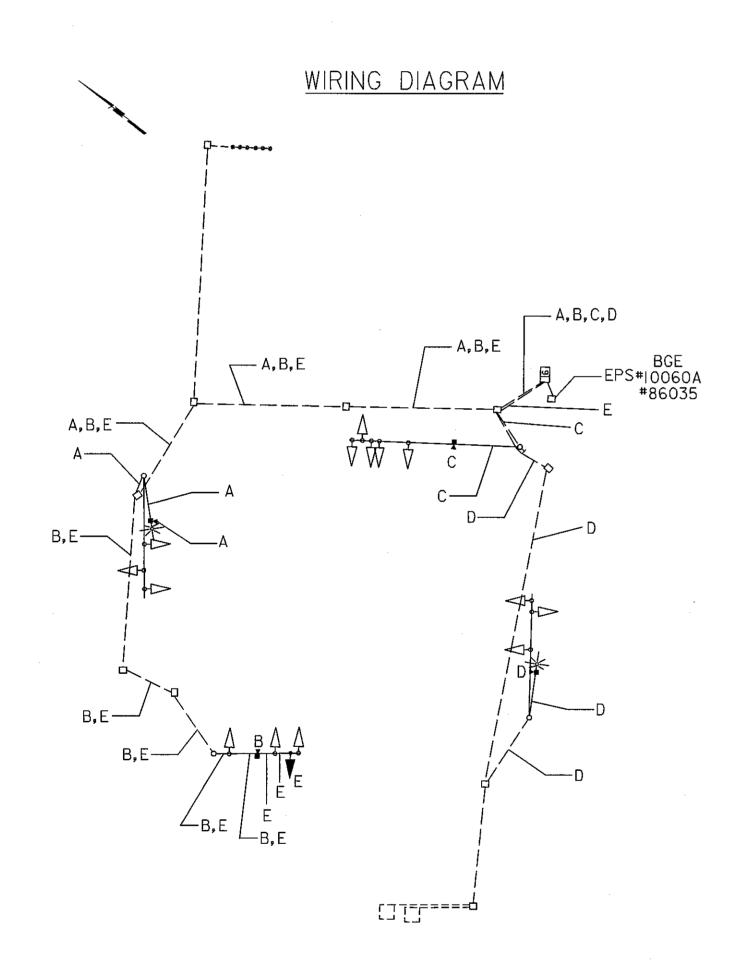
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
1001	2 EA	MAINTENANCE OF TRAFFIC
5001	100 LF	5 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5004	25 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	40 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
8044	4 EA	VIDEO DETECTION CAMERA
8045	I EA	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
8046	3 EA	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
8053	3 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8058	450 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO. **QUANTITY DESCRIPTION** ALL REMOVED MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.



─ VIDEO DETECTOR CABLE

5-CONDUCTOR ELECTRICAL CABLE (NO.14 A.W.G.)

EPS - EXISTING UNDERGROUND POWER SOURCE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 108 AT SNOWDEN RIVER PARKWAY GENERAL INFORMATION



7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

DRAWN BY:	R. KIPP	F.A.P. NO.
CHECKED BY:	B. BIDDLE	F.A.P. NO. S.H.A. NO. COUNTY: LOG MILE:
SCALE:	NONE	COUNTY:
DATE:	MARCH 2004	LOG MILE: